IN THE SPECIFICATION:

Please amend the specification as follows:

Pursuant to 37 CFR § 1.121(b)(1)(iii), a marked up copy of each paragraph amended below appears on the page immediately following each amendment.

Please delete page 1, line 6 to page 1, line 11, and insert the following therefor:

-- BACKGROUND

The disclosure relates generally to information handling systems and, more particularly, to a circuit technique for shutting down a system power supply in response to an overheating condition of the system processor. --

Please delete page 2, line 1, and insert the following therefor:

-- SUMMARY --

Please delete page 2, line 16 to page 3, line 13, and insert the following therefor:

-- The foregoing is a summary and this contains, by necessity, simplifications, generalizations and omissions of detail; consequently, those skilled in the art will appreciate that the summary is illustrative only and is not intended to be in any way limiting. As will also be apparent to one of skill in the art, the operations disclosed herein may be implemented in a number of ways, and such changes and modifications may be made without departing from this disclosure and its broader aspects. Other aspects, features, and advantages of the present disclosure, as defined solely by the claims, will become apparent in the non-limiting detailed description set forth below.

BRIEF DESCRIPTION OF THE DRAWINGS

The present disclosure may be better understood, and it's numerous objects, features, and advantages made apparent to those skilled in the art by referencing the accompanying Drawings, in which:

FIGURE 1 is a block diagram of an information handling system.

FIGURE 2 is a block diagram of an exemplary power supply.

FIGURE 3 is a circuit diagram of a latch circuit according to at least one embodiment.

FIGURE 4 is a circuit diagram of a power control circuit according to at least one embodiment.

The use of the same reference number throughout the figures designates a like or similar element.

While the disclosure is susceptible to various modifications and alternative forms, specific embodiments thereof are shown by way of example in the drawings and will herein be described in detail, it should be understood, however, that the drawings and detailed description are not intended to limit the disclosure to the particular form disclosed. On the contrary, the disclosure is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the present disclosure as defined by the appended claims. --

Please delete page 4, line 1 to page 4, line 3, and insert the following therefor:

-- For a thorough understanding of the subject disclosure, reference may be made to the following detailed description, including the appended claims, in connection with the above-described drawings. --

Please delete page 6, line 17 to page 6, line 27, and insert the following therefor:

-- In a manner that will be fully described below, the disclosure, in one aspect, is a thermal trip power control circuit 116 that operates in response to an overheating condition of the system processor of a PC system. The generation of a THERMTRIP signal by the system processor 110 sets a latch that causes the system power supply to be shut down. The latched THERMTRIP signal may be reset only by user intervention so that the power supply is not enabled during the operation of an automatic reboot process that is precipitated by the power supply interruption. The technique prevents repetitive cycling of the power supply, and other system components, during the period required for the THERMTRIP signal to dissipate. The disclosure, in one embodiment, is a thermal trip power control circuit 116 that comprises a latch circuit 300, depicted in FIGURE 3, coupled to a power control circuit 400, depicted in FIGURE 4. --

Please delete page 9, line 17 to page 9, line 21, and insert the following therefor:

-- Although the present disclosure has been described in connection with several embodiments, the disclosure is not intended to be limited to the specific forms set forth herein, but on the contrary, it is intended to cover such alternatives, modifications, and equivalents as can be reasonably included with in the spirit and scope of the disclosure as defined by the appended claims. --

MARKED UP COPY OF AMENDMENT PURSUANT TO 37 CFR § 1.121 (b)(1)(iii)

Page 1, line 6 to page 1, line 11.

BACKGROUND [OF THE INVENTION]

[Field of the Invention]

The [invention] disclosure relates generally to information handling systems and, more particularly, to a circuit technique for shutting down a system power supply in response to an overheating condition of the system processor.

[Description of the Related Art]

Page 2, line 1.

SUMMARY [OF THE INVENTION]

Page 2, line 16 to page 3, line 13.

[ADD SUMMARY FOR NEW CIRCUIT CLAIMS]

The foregoing is a summary and this contains, by necessity, simplifications, generalizations and omissions of detail; consequently, those skilled in the art will appreciate that the summary is illustrative only and is not intended to be in any way limiting. As will also be apparent to one of skill in the art, the operations disclosed herein may be implemented in a number of ways, and such changes and modifications may be made without departing from this [invention] disclosure and its broader aspects. Other aspects, [inventive] features, and advantages of the present

[invention] disclosure, as defined solely by the claims, will become apparent in the non-limiting detailed description set forth below.

BRIEF DESCRIPTION OF THE DRAWINGS

The present [invention] disclosure may be better understood, and it's numerous objects, features, and advantages made apparent to those skilled in the art by referencing the accompanying Drawings, in which:

FIGURE 1 is a block diagram of an information handling system.

FIGURE 2 is a block diagram of an exemplary power supply.

FIGURE 3 is a circuit diagram of a latch circuit according to at least one embodiment [of the present invention].

FIGURE 4 is a circuit diagram of a power control circuit according to at least one embodiment [of the present invention].

The use of the same reference number throughout the figures designates a like or similar element.

While the [invention] disclosure is susceptible to various modifications and alternative forms, specific embodiments thereof are shown by way of example in the drawings and will herein be described in detail, it should be understood, however, that the drawings and detailed description are not intended to limit the [invention] disclosure to the particular form disclosed. On the contrary, the [intention] disclosure is to cover all modifications, equivalents, and alternatives falling within the spirit and scope of the present [invention] disclosure as defined by the appended claims.

Page 4, line 1 to page 4, line 3.

For a thorough understanding of the subject [invention] disclosure, reference may be [had] made to the following detailed description, including the appended claims, in connection with the above-described drawings.

Page 6, line 17 to page 6, line 27.

In a manner that will be fully described below, the [invention] disclosure, in one aspect, is a thermal trip power control circuit 116 that operates in response to an overheating condition of the system processor of a PC system. The generation of a THERMTRIP signal by the system processor 110 sets a latch that causes the system power supply to be shut down. The latched THERMTRIP signal may be reset only by user intervention so that the power supply is not enabled during the operation of an automatic reboot process that is precipitated by the power supply interruption. The technique prevents repetitive cycling of the power supply, and other system components, during the period required for the THERMTRIP signal to dissipate. The [invention] disclosure, in one embodiment, is a thermal trip power control circuit 116 that comprises a latch circuit 300, depicted in FIGURE 3, coupled to a power control circuit 400, depicted in FIGURE 4.

Page 9, line 17 to page 9, line 21.

Although the present [invention] disclosure has been described in connection with several embodiments, the [invention] disclosure is not intended to be limited to the specific forms set forth herein, but on the contrary, it is intended to cover such alternatives, modifications, and equivalents as can be reasonably included with in the spirit and scope of the [invention] disclosure as defined by the appended claims.